

PROGRAMME**Cardiac, Thoracic & Vascular****Tuesday, March 05, 2024****Session Date/Time: Tuesday, March 5, 2024 - 13:00 - 14:00**

MR 332 (Level 3)

Cardiac, Thoracic & Vascular Workshop: Severe RV Dysfunction after CPB

Workshop Fee: 20 USD

1. Discuss etiology of RV dysfunction associated with cardiopulmonary bypass.
2. Describe diagnosis of RV dysfunction after CPB with case illustrations.
3. Review management approach for RV dysfunction.

- 13:00 **Chair: Severe RV Dysfunction after CPB**
 Gudrun Kunst, United Kingdom
- 13:02 **Review the Etiology of Severe RV Dysfunction after CPB**
 Carlos Galhardo, Canada
- 13:14 **Discuss Techniques of Diagnosing RV Dysfunction after CPB**
 Vijay Shetty, India
- 13:26 **Discuss Cases in Which Echo Made a Difference**
 Deepak Prakash Borde, India
- 13:38 **Review Management Pearls in RV Dysfunction**
 Asad Latif, Pakistan
- 13:50 **Questions and Answers**

Session Date/Time: Tuesday, March 5, 2024 - 14:15 - 15:15

MR 332 (Level 3)

Cardiac, Thoracic & Vascular Workshop: Cardiac Surgery in Those Refusing Blood Transfusion: Strategies and Challenges

Workshop Fee: 20 USD

1. Discuss approach to assessment of patients refusing perioperative transfusion.
2. Describe strategies to limit blood loss and avoid transfusion.
3. Review challenges and limitations of these approaches.

- 14:15 **Chair: Cardiac Surgery in Those Refusing Blood Transfusion: Strategies and Challenges**
 Sharon McCartney, United States
- 14:17 **Discuss Approach to Preparing Patients Who Refuse Blood Transfusion**
 Kai Dr. Dr. Zacharowski, Germany
- 14:29 **Review Techniques for Blood Conservation**
 Sheela Pai Cole, United States

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- 14:41 **Delineate Ethical Considerations in Patients Who Refuse Blood Transfusion**
Mathew Patteril, United Kingdom
- 14:53 **Discuss Novel Approaches to Blood Conservation**
Louise Sun, United States
- 15:05 **Questions and Answers**

Session Date/Time: Tuesday, March 5, 2024 - 15:30 - 16:30

MR 332 (Level 3)

Cardiac, Thoracic & Vascular Workshop: Cardio-Thoracic Surgery: Guidelines & Controversies

Workshop Fee: 20 USD

1. Discuss relevant and applicable practice guidelines in cardiothoracic anaesthesia.
2. Describe how the guidelines assist with management decisions.
3. Review challenges and limitations of applying practice guidelines.

- 15:30 **Chair: Cardio-Thoracic Surgery: Guidelines & Controversies**
Christopher Troianos, United States
- 15:32 **Cardiopulmonary Bypass Guidelines: 5 Key Messages & 2 Controversies**
Gudrun Kunst, United Kingdom
- 15:47 **TAA & EVAR Guidelines: 5 Key Messages & 2 Controversies**
Carlos Galhardo, Canada
- 16:02 **Valvular Guidelines: 5 Key Messages & 2 Controversies**
Camila Machado De Souza, Canada
- 16:17 **Questions and Answers**

Session Date/Time: Tuesday, March 5, 2024 - 16:00 - 17:30

MR 325 (Level 3)

Cardiac, Thoracic & Vascular Workshop: Thoracic Workshop

Workshop Fee: 90 USD

1. Demonstrate techniques of lung isolation.
2. Describe methods of using POCUS to assess lung pathology.
3. Demonstrate regional anaesthesia techniques in thoracic surgery.

Breakout

Anantachote Vimuktanandana, Thailand

Breakout

Sara Jane Allen, New Zealand

Breakout

Mathew Patteril, United Kingdom

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15:30

Chair: Session Introduction*Himani Bhatt, United States*

15:32

Challenging Airway Cases*Himani Bhatt, United States*

15:42

Pocus Views for Lung Ultrasound*Sheela Pai Cole, United States*

15:50

Regional Techniques, Including ES and TEA Techniques*Vijay Shetty, India*

16:00

Breakout*Sheela Pai Cole, United States*

17:00

Questions and Answers**Session Date/Time: Tuesday, March 5, 2024 - 16:45 - 17:45**

MR 332 (Level 3)

Cardiac, Thoracic & Vascular Workshop: Neuroprotection in Cardiac Surgery

Workshop Fee: 20 USD

1. Discuss etiology of various postoperative neurological complications after cardiac surgery.
2. Describe strategies for protecting neurological function during cardiac surgery.
3. Review challenges and limitations of neuroprotective techniques.

16:45

Chair: Neuroprotection in Cardiac Surgery*George Djaiani, Canada*

16:47

Review Etiology of Postoperative Neurological Complications*Hilary Grocott, Canada*

17:02

Discuss Techniques for Preventing Neurological Complications after Cardiac Surgery*Anantachote Vimuktanandana, Thailand*

17:17

Delineate Techniques to Diagnose Cognitive Decline after Cardiac Surgery*Nana Agya Prempeh, United States*

17:32

Questions and Answers

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Wednesday, March 06, 2024

Session Date/Time: Wednesday, March 6, 2024 - 08:30 - 10:30

MR 334 (Level 3)

Cardiac, Thoracic & Vascular Workshop: 3-D Echo Workshop

Workshop Fee: 140 USD

1. Demonstrate techniques of optimising a 3-D echo dataset for post-processing.
2. Describe methods of cropping a 3-D echo dataset.
3. MV modelling.
4. Review methods of creating an optimal mitral valve model for surgical planning.

08:30 **Chair: Session Introduction**

Ben O'Brien, Germany

08:32 **Getting the Perfect 3D Dataset**

Abimbola Faloye, United States

09:02 **Cropping Your Dataset (Multiplanar Reconstruction)**

Sheela Pai Cole, United States

09:32 **Ventricular Assessment and Modelling**

Madhav Swaminathan, United States

09:52 **Valve Assessment and Modelling**

Stanton Shernan, United States

10:17 **Questions and Answers**

Session Date/Time: Wednesday, March 6, 2024 - 08:30 - 09:30

MR 325 (Level 3)

Cardiac, Thoracic & Vascular Workshop: AI-Based Workshop in CT Anaesthesia

Workshop Fee: 25 USD

1. Discuss the significance of artificial intelligence (AI) and machine learning (ML) in cardiothoracic anaesthesia.
2. Describe how AI and ML tools can assist with clinical decision support.
3. Review challenges and limitations of using AI and ML technology in cardiothoracic anaesthesia.

08:30 **Chair: Session Introduction**

Stanton Shernan, United States

08:32 **Clinical Applications of Artificial Intelligence: Clinical Workflow**

Louise Sun, United States

08:52 **Artificial Intelligence in Echocardiography**

Nian-Chih Hwang, Singapore

09:12 **Questions and Answers**

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Session Date/Time: Wednesday, March 6, 2024 - 08:30 - 09:30

MR 326 (Level 3)

Cardiac, Thoracic & Vascular Workshop: How to Get Published in CT Anaesthesia

Workshop Fee: 25 USD

1. Discuss the principles of publishing articles from an editor's viewpoint.
2. Review common errors in scientific writing.
3. Describe considerations when selecting a journal for your scholarly work.

08:30	Chair: Session Introduction <i>Madhav Swaminathan, United States</i>
08:32	What Editors Are Looking For <i>Alexander Mittnacht, United States</i>
08:47	Common Mistakes Writers Make <i>Gudrun Kunst, United Kingdom</i>
09:02	How to Pick the Right Journal <i>Christopher Troianos, United States</i>
09:17	Questions and Answers

Session Date/Time: Wednesday, March 6, 2024 - 09:45 - 10:45

MR 326 (Level 3)

Cardiac, Thoracic & Vascular Workshop: ECMO Cases and Troubleshooting

Workshop Fee: 25 USD

1. Review ECMO cases in which echo helped management.
2. Discuss tips and tricks for successful management of ECMO challenges.
3. Review different configurations of ECMO deployment and their goals.

09:45	Chair: Session Introduction <i>Sophia Chew, Singapore</i>
09:47	ECMO Disasters - Echo Cases <i>Mathew Patteril, United Kingdom</i>
10:02	ECMO Disasters - Management Pearls <i>Sharon McCartney, United States</i>
10:17	Types of ECMO and the Challenges They Come With <i>Abimbola Faloye, United States</i>
10:32	Questions and Answers